THREE-DIMENSIONAL IMAGE CAPTURING DEVICE

ABSTRACT OF THE DISCLOSURE

A three-dimensional image capturing device comprises a light emitting device and an imaging device, such as a CCD, having a plurality of photo-diodes, a vertical transfer unit and a substrate. A pulse-modulated distance measuring light beam is radiated from the light emitting device to a measurement subject and a reflected light beam, generated by the measurement subject due to the distance measuring light beam, is sensed by the photo-diodes, so that a distance information sensing operation which detects distance information of the measurement subject is executed. The data, for example, relating to the distance information or the image information of the measurement subject, which is stored in the device, is transmitted to an external computer system by an optical transmission system using the above light emitting device. A data transmitting light beam may be superposed onto the distance measuring light beam.